

Title (en)

FLOATING SEAL ASSEMBLY FOR A TROCAR

Title (de)

SCHWIMMENDE DICHTUNGSANORDNUNG FÜR EINEN TROKAR

Title (fr)

SYSTEME D'ETANCHEITE FLOTTANT POUR TROCART

Publication

EP 1501570 A4 20080312 (EN)

Application

EP 03728585 A 20030428

Priority

- US 0313182 W 20030428
- US 37603302 P 20020426

Abstract (en)

[origin: WO03091608A2] A seal assembly used in combination with a trocar assembly to maintain sealing engagement with the exterior surface of medical instrument, which may have different size diameters, introduced into the trocar assembly so as to maintain adequate insufflation pressure within a body cavity accessed by the trocar assembly. The seal assembly includes a seal member and is structured to permit free movement of the seal member at least radially within a chamber of a seal housing which may be attached to or part of the trocar housing. The seal member and the sealing chamber are cooperatively dimensioned to maintain at least the periphery of an outer surface of the seal member in surrounding relation to an inlet port of the chamber and thereby maintain seal engagement between corresponding interior surfaces of the chamber and the corresponding outer surfaces of the seal member.

IPC 8 full level

A61B 1/00 (2006.01); **A61B 17/34** (2006.01); **A61M 5/14** (2006.01); **A61M 31/00** (2006.01); **F16J 15/02** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [X] WO 9417844 A1 19940818 - ORIGIN MEDSYSTEMS INC [US]
- [X] US 5989224 A 19991123 - EXLINE DONALD D [US], et al
- [X] WO 9426330 A1 19941124 - STOUDE ALBERT EDWIN JR [US]
- [X] US 5935112 A 19990810 - STEVENS BRIAN W [US], et al
- See references of WO 03091608A2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 03091608 A2 20031106; **WO 03091608 A3 20041125**; AU 2003234272 A1 20031110; AU 2003234272 A8 20031110; CA 2452338 A1 20031106; CA 2452338 C 20090224; CN 100577226 C 20100106; CN 1735437 A 20060215; EP 1501570 A2 20050202; EP 1501570 A4 20080312; EP 1501570 B1 20120418; EP 2263718 A1 20101222; ES 2385556 T3 20120726; JP 2005519713 A 20050707; US 2005261661 A1 20051124; US 7011314 B2 20060314

DOCDB simple family (application)

US 0313182 W 20030428; AU 2003234272 A 20030428; CA 2452338 A 20030428; CN 03800769 A 20030428; EP 03728585 A 20030428; EP 10177690 A 20030428; ES 03728585 T 20030428; JP 2003588113 A 20030428; US 42456403 A 20030428